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Dated: 7/29/04

Signature: Maria Reen
(Maria Reen)

Docket No.: 60607DIV (50553)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Lipscombe et al.

Application No.: 10/033,026

Confirmation No.: 1031

Filed: December 28, 2001

Art Unit: 1635

For: HUMAN N-TYPE CALCIUM CHANNEL
ISOFORM AND USES THEREOF

Examiner: McGarry, Sean

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO/SB/08, for consideration by the Examiner in connection with the examination of the above-identified patent application.

Submitted herewith are legible copies of items C13, D1 and D2 listed on the attached form PTO/SB/08. This supplemental disclosure relies on the earlier filing of the Information Disclosure Statement for this application, and copies of the remaining items previously listed on the attached form PTO/SB/08 are therefore not included herewith.

In accordance with 37 C.F.R. §1.97(b)(3), this supplemental disclosure is being filed before the mailing date of a first Action on the merits. No fee or certification is required.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other

material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the aforementioned references.

If the Examiner has any question concerning this IDS, he is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. **04-1105**, under Order No. 60607(50553).

Dated: 29 July 2004

Respectfully submitted,

By  Jeffrey D. Hsi

Registration No.: 40,024
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444
Attorney for Applicant



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/033,026
				Filing Date	December 28, 2001
				First Named Inventor	Lipscombe, D.
				Art Unit	1635
				Examiner Name	McGarry, Sean
Sheet	1	of	2	Attorney Docket Number	60607 DIV (50553)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,429,921	07-1995	Harpold et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	WO 93/04083	03-1993	SIBIA		
	B2	WO 95/04822	02-1995	SIBIA		
	B3	WO 98/11131	03-1998	American Home Products		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Hines and Carnevale, <i>Neural Computation</i> 12: 995-1007 (2000)	
	C2	Jones and Marks, <i>J. Gen. Physiol.</i> 94: 151-167 (1989)	
	C3	Ligon et al., <i>J. Biol. Chem.</i> 273(22): 13905-13911 (1998)	
	C4	Lin et al., <i>Neuron</i> 18: 153-166 (1997)	
	C5	Lin et al., <i>J. Neuroscience</i> 19(13): 5322-5331 (1999)	
	C6	Lipscombe et al., <i>Nature</i> 340: 639-642 (1989)	
	C7	Mainen and Sejnowski, <i>Science</i> 268: 1503-1509 (1995)	
	C8	Mathur et al., <i>J. Gen. Physiol.</i> 109: 191-199 (1997)	
	C9	McCarthy and Tanpiengco, <i>J. Neuroscience</i> 12: 2225-2234 (1992)	
	C10	Mintz et al., <i>Neuron</i> 9: 85-95 (1992)	
	C11	Nakai et al., <i>Proc. Natl. Acad. Sci. USA</i> 91: 1014-1018 (1994)	
	C12	Soong et al., <i>Science</i> 260: 1133-1136 (1993)	
	C13	Soong et al., <i>Society for Neuroscience Abstracts</i> Vol. 20 no. 1-2, 13-18 November 1994, page 70	
	C14	Starr et al., <i>Proc Natl. Acad. Sci. USA</i> 89: 5621-5625 (1991)	
	C15	Sutton et al., <i>Soc. Neurosci. Abs.</i> 24:21 (1998)	
	C16	Tang and Papazian, <i>J. Gen. Physiol.</i> 109: 301-311 (1997)	
	C17	Williams et al., <i>Science</i> 257: 389-395 (1992)	
	C18	Yu et al., <i>Proc. Natl. Acad. Sci. USA</i> 89:10494-10498 (1992)	
	C19	Zhang et al., <i>Nature</i> 372: 97-100 (1994)	
	D1	GenBank Accession no. M94172	
	D2	GenBank Accession no. M94173	

Examiner Signature		Date Considered	
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Application No. (if known): 10/033,026

Attorney Docket No.: 60607 DIV (50553)

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